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* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS	3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS	4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS	5	AUG 24	CA/CAPLUS enhanced with legal status information for U.S. patents
NEWS	6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS	7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS	8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS	9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS	10	NOV 23	Addition of SCAN format to selected STN databases
NEWS	11	NOV 23	Annual Reload of IFI Databases
NEWS	12	DEC 01	FRFULL Content and Search Enhancements
NEWS	13	DEC 01	DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
NEWS	14	DEC 02	Derwent World Patent Index: Japanese FI-TERM thesaurus added
NEWS	15	DEC 02	PCTGEN enhanced with patent family and legal status display data from INPADOCDB
NEWS	16	DEC 02	USGENE: Enhanced coverage of bibliographic and sequence information
NEWS	17	DEC 21	New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS
NEWS	18	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS	19	JAN 25	Annual Reload of MEDLINE database
NEWS	20	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS	21	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS	22	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS	23	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS	24	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 14:56:44 ON 16 MAR 2010

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 14:56:53 ON 16 MAR 2010

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FILE COVERS 1907 - 16 Mar 2010 VOL 152 ISS 12

FILE LAST UPDATED: 15 Mar 2010 (20100315/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s alkyl(S)silicate

651599 ALKYL

6943 ALKYLs

654759 ALKYL

(ALKYL OR ALKYLs)

225738 SILICATE

70708 SILICATES

257888 SILICATE

```

                (SILICATE OR SILICATES)
L1          3191 ALKYL(S)SILICATE

=> s l1 and "titanium dioxide)
MISMATCHED QUOTE 'AND "TITANIUM'
Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

=> s l1 and "titanium dioxide"
    605993 "TITANIUM"
    80 "TITANIUMS"
    606001 "TITANIUM"
        ("TITANIUM" OR "TITANIUMS")
    593670 "DIOXIDE"
    7207 "DIOXIDES"
    595528 "DIOXIDE"
        ("DIOXIDE" OR "DIOXIDES")
    57576 "TITANIUM DIOXIDE"
        ("TITANIUM"(W)"DIOXIDE")
L2          27 L1 AND "TITANIUM DIOXIDE"

=> s l2 and fluoroalkyl?
    14365 FLUOROALKYL?
L3          0 L2 AND FLUOROALKYL?

=> s fluoroalkylsilane
    467 FLUOROALKYLSILANE
    138 FLUOROALKYLSILANES
L4          530 FLUOROALKYLSILANE
        (FLUOROALKYLSILANE OR FLUOROALKYLSILANES)

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=> s l1 and l4
L5          0 L1 AND L4

=> s l4 and "titanium dioxide"
    605993 "TITANIUM"
    80 "TITANIUMS"
    606001 "TITANIUM"
        ("TITANIUM" OR "TITANIUMS")
    593670 "DIOXIDE"
    7207 "DIOXIDES"
    595528 "DIOXIDE"
        ("DIOXIDE" OR "DIOXIDES")
    57576 "TITANIUM DIOXIDE"
        ("TITANIUM"(W)"DIOXIDE")
L6          4 L4 AND "TITANIUM DIOXIDE"

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=> d l6 1-4 ibib abs

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L6  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:      2007:1473653  CAPLUS
DOCUMENT NUMBER:      148:342143
TITLE:                A transparent and photo-patternable superhydrophobic
                        film
AUTHOR(S):            Zhang, Xintong; Kono, Hiroki; Liu, Zhaoyue; Nishimoto,
                        Shunsuke; Tryk, Donald A.; Murakami, Taketoshi; Sakai,
                        Hideki; Abe, Masahiko; Fujishima, Akira
CORPORATE SOURCE:      Kanagawa Academy of Science and Technology, 3-2-1
                        Sakado, Takatsu-ku, Kawasaki, Kanagawa, 213-0012,
                        Japan
SOURCE:                Chemical Communications (Cambridge, United Kingdom)

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(2007), (46), 4949-4951
CODEN: CHCOFS; ISSN: 1359-7345
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A transparent superhydrophobic TiO₂ film, prepared by spin-coating a TiO₂ slurry on a glass substrate and modifying the resultant TiO₂ film with fluoroalkylsilane mols., was patterned by illumination with UV light through a photomask, producing a superhydrophobic/superhydrophilic surface micropattern with very small superhydrophilic areas, which we were able to selectively fill with alginate hydrogel.

OS.CITING REF COUNT: 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)

REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:32635 CAPLUS
DOCUMENT NUMBER: 144:117481
TITLE: Electroluminescent device and its fabrication method
INVENTOR(S): Itoh, Norihito; Tachikawa, Tomoyuki; Itoh, Kiyoshi
PATENT ASSIGNEE(S): Dai Nippon Printing Co., Ltd., Japan
SOURCE: U.S. Pat. Appl. Publ., 28 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060008742	A1	20060112	US 2005-155006	20050616
US 7329479	B2	20080212		
JP 2006318876	A	20061124	JP 2005-155298	20050527
GB 2416622	A	20060201	GB 2005-12232	20050616
GB 2416622	B	20090708		
US 20080096129	A1	20080424	US 2007-952445	20071207
PRIORITY APPLN. INFO.:			JP 2004-192024	A 20040629
			JP 2005-115469	A 20050413
			JP 2005-155298	A 20050527
			US 2005-155006	A3 20050616

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention relates to a production process of an electroluminescent element, which, even when a buffer layer patterned by a photolithog. process is formed, luminescence failure derived from cross contamination or a variation in film thickness does not take place and can realize high production efficiency. The production process entails repeating at least twice the step of forming an electroluminescent layer comprising a buffer layer and a luminescent layer by patterning using a photolithog. process, thereby producing an electroluminescent element comprising a patterned electroluminescent layer, and comprises the steps of forming a first pattern part comprising a first buffer layer as the lowermost layer; and coating a solution for second buffer layer formation in a region including said first pattern part, the first buffer layer being immiscible with said solution for second buffer layer formation.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:1120936 CAPLUS
DOCUMENT NUMBER: 144:436539
TITLE: Study on hydrophobic nano-titanium

dioxide coatings for improvement in corrosion resistance of type 316L stainless steel

AUTHOR(S): Shen, G. X.; Du, R. G.; Chen, Y. C.; Lin, C. J.; Scantlebury, D.

CORPORATE SOURCE: State Key Laboratory of Physical Chemistry of Solid Surfaces, Department of Chemistry, Xiamen University, Xiamen, 361005, Peop. Rep. China

SOURCE: Corrosion (Houston, TX, United States) (2005), 61(10), 943-950
CODEN: CORRAK; ISSN: 0010-9312

PUBLISHER: NACE International

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Using Et acetoacetate (EAcAc) as a chelating agent, titanium dioxide (TiO₂) sol with ultra-fine particles has been prepared and deposited on Type 316L (UNS S31603) stainless steel to form a nano-TiO₂ coating by the dip-coating. A hydrothermal post treatment method has been applied to obtain crack-free coatings and to optimize the surface structure and properties. A self-assembly of fluoroalkylsilane (denoted as FAS-13) has been conducted to enhance the hydrophobic property for the surface of the nano-TiO₂ coatings. The particle sizes of TiO₂ sol have been analyzed by ζ potential anal., and the surface morphol., structure, and properties have been characterized by contact angle, x-ray diffraction, and SEM measurements. The surface of the coatings is porous, with approx. 375 nm thickness; the diameter of the particles of anatase TiO₂ is uniform, in the range from 15 nm to 18 nm. The electrochem. tests have indicated that the hydrophobic coatings of nano-TiO₂ exhibit an excellent corrosion resistance.

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1999:402147 CAPLUS

DOCUMENT NUMBER: 131:33028

TITLE: Treatment of a surface for generating an antiadherent, thermally stable fluoroalkylsilane coating

INVENTOR(S): Mostefai, Malik; Shanahan, Martin E. R.; Meslif, Alain; Fayet, Florence

PATENT ASSIGNEE(S): Gaz de France, Fr.

SOURCE: Fr. Demande, 19 pp.

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2768947	A1	19990402	FR 1997-12084	19970929
FR 2768947	B1	19991224		

PRIORITY APPLN. INFO.: FR 1997-12084 19970929

OTHER SOURCE(S): MARPAT 131:33028

AB The title process comprises reacting at least part of the surface with a fluoroalkylsilane and (B1CO₂)z₁(B2CO₂)z₂MB₃z₃B₄z₄ (M = Si, Ti, Zr, Al; B₁, B₂, B₃, B₄ = Me, Et; z₁, z₂, z₃, z₄ = 0-4 and the sum of z₁-z₄ = valence of M, z₁ + z₂ ≥ 2), SiO₂, TiO₂, ZrO₂, or Al₂O₃.

OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD (2 CITINGS)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 14:56:44 ON 16 MAR 2010)

FILE 'CAPLUS' ENTERED AT 14:56:53 ON 16 MAR 2010

L1 3191 S ALKYL(S)SILICATE
L2 27 S L1 AND "TITANIUM DIOXIDE"
L3 0 S L2 AND FLUOROALKYL?
L4 530 S FLUOROALKYLSILANE
L5 0 S L1 AND L4
L6 4 S L4 AND "TITANIUM DIOXIDE"

=> dup rem l2

PROCESSING COMPLETED FOR L2

L7 27 DUP REM L2 (0 DUPLICATES REMOVED)

=> d l7 1-27 ibib abs

L7 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:1300067 CAPLUS

DOCUMENT NUMBER: 149:478059

TITLE: Dermatological composition for the prevention and/or
treatment of rosacea, blotches of skin which exhibits
diffuse redness or small dilated vessels

INVENTOR(S): Perier, Valerie; Rinaldin, Stephanie

PATENT ASSIGNEE(S): Pierre Fabre Dermo-Cosmetique, Fr.

SOURCE: PCT Int. Appl., 20pp.; Chemical Indexing Equivalent to
149:478049 (FR)

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008129066	A1	20081030	WO 2008-EP54956	20080423
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
FR 2915101	A1	20081024	FR 2007-54639	20070423
CA 2684835	A1	20081030	CA 2008-2684835	20080423
EP 2139459	A1	20100106	EP 2008-749681	20080423
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR			

PRIORITY APPLN. INFO.:

FR 2007-54639 A 20070423

WO 2008-EP54956 W 20080423

AB The invention relates to a dermatol. composition for the prevention and/or treatment of rosacea, blotches, or of skin which exhibits diffuse redness or small dilated vessels, characterized in that it contains: at least one

interference pigment comprising titanium dioxide
-coated mica, transmitting a color complementary to red; at least one
sunscreen that is active in the UVA and UVB ranges; one or more soothing
and/or moisturizing active ingredients; and the rest as dermatol.
acceptable excipient(s) necessary for formulating said composition A cosmetic
cream contained hamamelis water 3.00, α -tocopheryl acetate 0.30,
Timiron Super Green 1.00-300, Tinosorb M 4.00-10.00, Tinosorb S 1.5-7.00,
2-ethylhexyl-4-methoxycinnamate 7.00-1000, glycerin 5.00, tribehenin 0.40,
C12-15 alkyl benzoate 1.00-4.00, ethylhexyl palmitate 5.00,
glyceryl stearate 1.00-2.50, cyclomethicone 5.00-800, potassium cetyl
phosphate 1.00-3.00, hydroxyethyl acrylate 0.8-2.3, xanthane gum 0.1-0.35,
magnesium aluminum silicate 0.30, phenoxyethanol 0.80,
chlorphenesin 0.30, benzoic acid 0.20, disodium EDTA 0.10, BHT 0.01, and
water. q.s. 10000%.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:1279573 CAPLUS

DOCUMENT NUMBER: 149:478049

TITLE: Dermatological composition for the prevention and/or
the treatment of rosacea, blotches of skin presenting
diffuse redness, or small dilated vessels containing
titanium dioxide

INVENTOR(S): Perier, Valerie; Rinaldin, Stephanie

PATENT ASSIGNEE(S): Pierre Fabre Dermo-Cosmetique, Fr.

SOURCE: Fr. Demande, 14pp.; Chemical Indexing Equivalent to
149:478059 (WO)

CODEN: FRXXBL

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2915101	A1	20081024	FR 2007-54639	20070423
CA 2684835	A1	20081030	CA 2008-2684835	20080423
WO 2008129066	A1	20081030	WO 2008-EP54956	20080423
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
EP 2139459	A1	20100106	EP 2008-749681	20080423
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR			

PRIORITY APPLN. INFO.: FR 2007-54639 A 20070423
WO 2008-EP54956 W 20080423

AB The invention relates to a dermatol. composition for the prevention and/or
treatment of rosacea, blotches, or of skin which exhibits diffuse redness
or small dilated vessels, characterized in that it contains: at least one
interference pigment comprising titanium dioxide
-coated mica, transmitting a color complementary to red; at least one

sunscreens that are active in the UVA and UVB ranges; one or more soothing and/or moisturizing active ingredients; and the rest as dermatol. acceptable excipient(s) necessary for formulating said composition. A cosmetic cream contained hamamelis water 3.00, α -tocopheryl acetate 0.30, Timiron Super Green 1.00-3.00, Tinosorb M 4.00-10.00, Tinosorb S 1.5-7.00, 2-ethylhexyl-4-methoxycinnamate 7.00-10.00, glycerin 5.00, triphenyltin 0.40, C12-15 alkyl benzoate 1.00-4.00, ethylhexyl palmitate 5.00, glyceryl stearate 1.00-2.50, cyclomethicone 5.00-8.00, potassium cetyl phosphate 1.00-3.00, hydroxyethyl acrylate 0.8-2.3, xanthane gum 0.1-0.35, magnesium aluminum silicate 0.30, phenoxyethanol 0.80, chlorphenesin 0.30, benzoic acid 0.20, disodium EDTA 0.10, BHT 0.01, and water. q.s. 100.00%.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:1325815 CAPLUS

DOCUMENT NUMBER: 148:15734

TITLE: Fabrication of pollution-resistant and self-cleaning composite decorative panels with a pollution-resistant coating on the outer surface

INVENTOR(S): Cho, Keum Shil; Kim, Kwang Min; Kang, Gil Ho; Son, Beom Goo

PATENT ASSIGNEE(S): Lg Chem. Ltd., S. Korea

SOURCE: Repub. Korean Kongkai Taeho Kongbo, No pp. given

CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2007057490	A	20070607	KR 2005-117006	20051202
KR 783631	B1	20071207		

PRIORITY APPLN. INFO.: KR 2005-117006 20051202

AB A composite decorative panel is provided to increase pollution resistance and self-cleaning capacity by coating the surface with pollution resistant coating materials composed of titanium dioxide and hydrolyzates of alkyl silicate. The composite decorative panel having excellent pollution resistance and self-cleaning capacity is formed by forming a pattern layer on one or two sides of a noncombustible core layer and forming a pollution resistant coat layer on the outside surface of the pattern layer. The pollution resistant coat layer is made with pollution resistant coating materials composed of titanium dioxide as a photo catalyzer and hydrolyzates of alkyl silicate as a binder.

L7 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:898942 CAPLUS

DOCUMENT NUMBER: 147:303632

TITLE: Method for preparation of Ti-MWW molecular sieve

INVENTOR(S): Liu, Yueming; Xie, Wei; Wu, Peng; He, Mingyuan

PATENT ASSIGNEE(S): East China Normal University, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 11pp.

CODEN: CNXXEV

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 101012062	A	20070808	CN 2007-10037012	20070131
PRIORITY APPLN. INFO.:			CN 2007-10037012	20070131

AB The title method comprises: preparing titanium dioxide in Ti source (tetraalkyl titanate, titanium halide or titanium oxide), silicon dioxide in Si source (silicic acid, silica gel, silicon sol or tetraalkyl silicate), boron oxide in B source (boric acid or borate), F- in f source (sodium fluoride, ammonium fluoride, fluorosilicic acid or fluorosilicate), organic template agent (piperidine, hexamethyleneimine or their mixture) and water at a mol. ratio of (0.001-0.2):1:(0.1-5):(0-2.0):(0.1-5):(5-150), and preparing cationic or nonionic surfactant (alkyl quaternary ammonium salt) and silicon dioxide in Si source at a weight ratio of (0.01-0.1):1, dissolving the template agent in water, adding the Ti source, stirring, adding the B and f sources, stirring, adding the Si source and the surfactant, crystallizing by hydrothermal method at 130-200°C for 3-10 d, filtering, washing, drying, and/or treating with acid, and sintering at 500-600°C for 3-10 h. The prepared mol. sieve has low cost and high catalytic activity.

L7 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:72348 CAPLUS

DOCUMENT NUMBER: 144:144735

TITLE: Antimicrobial compositions containing pyridine derivatives and phosphates

INVENTOR(S): Koma, Hiroki; Igarashi, Yoshio; Nobeshima, Hirofumi

PATENT ASSIGNEE(S): Tama Kagaku Kogyo Corporation, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

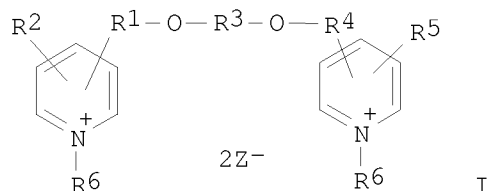
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2006022013	A	20060126	JP 2004-199007	20040706
PRIORITY APPLN. INFO.:			JP 2004-199007	20040706

OTHER SOURCE(S): MARPAT 144:144735

GI



AB Antimicrobial compns. with superior efficiency, especially against fungi, contain an inorg. antimicrobial compound and organic compound (I, where R1, R4 =

same or different C1-4 (un)branched alkylene; R2, R5 = H, same or different halo, lower alkyl, lower alkoxy; R3 = C2-12 (un)branched alkylene; R6 = C1-18 (un)branched alkyl; Z = Cl, Br, I, or OSO2R7, R7 = lower alkyl, (un)substituted Ph) that is supported on a layered silicate. Thus, a composition containing I (R1, R4 = CH2; R3 = (CH2)4; R2, R5 = H; R6 = (CH2)7Me; Z = Br) supported on a Ca-type layered silicate and Ag0.53Na0.17H0.30Zr2(PO4)3 at 67.5 ppm inhibited growth of Aspergillus niger.

L7 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2006:843782 CAPLUS
DOCUMENT NUMBER: 145:276335
TITLE: Organic-inorganic ordered laminated material and its preparation method
INVENTOR(S): Li, Aixiu; Lu, Dongliang; Hu, Caixia; Lu, Zhiping; Dou, Tao
PATENT ASSIGNEE(S): Taiyuan University of Technology, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 13pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1817635	A	20060816	CN 2006-10012325	20060110
PRIORITY APPLN. INFO.:			CN 2006-10012325	20060110

AB The laminated material is composed of inorg. layer and crystal linear chain organic layer alternatively, where the inorg. layer is composed of SiO₂ or/and TiO₂, the organic layer is composed of C10-18 linear chain acyloxy groups. The depth of inorg. layer is adjusted by using amount of n-silicate or titanate. The molar ratio of C10-18 linear chain alkyl acyloxysilicate or C10-18 linear chain alkyl acyloxytitanate to tetraalkyl n-silicate or tetraalkyl titanate is varied during 1: 0-1: 20. The preparation comprises the following steps: (1) selecting tetraalkyl silicate and tetraalkyl titanate; (2) selecting n-decanoic acid or stearic acid, reacting at 70-120° for 0.5-5h to obtain n-decanoic acid or stearic acid substituted linear chain alkyl acyloxysilicate or alkyl acyloxytitanate; (3) mixing with tetraalkyl silicate or tetraalkyl titanate at a molar ratio of 1: 0-1: 20, hydrolyzing at 20-70° under basic condition or/and polycondensating, separating, drying. The material has good application prospect in preparing composite material and adsorption separation

L7 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:982274 CAPLUS
DOCUMENT NUMBER: 143:235011
TITLE: Cosmetic and dermatological preparations, containing a mixture of a UV A filter, a UV B filter and a metal oxide
PATENT ASSIGNEE(S): BASF A.-G., Germany
SOURCE: Ger. Offen., 13 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102004007885	A1	20050908	DE 2004-102004007885	20040217
WO 2005094769	A1	20051013	WO 2005-EP1499	20050215
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,			

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.:

DE 2004-102004007885A 20040217

AB The invention concerns sunscreen compns. for skin and hair that contain:
(a) Benzoic acid, 4,4',4''-(1,3,5-triazine-2,4,6-triyltriimino)tris-,
tris(2-ethylhexyl) ester; (b) Benzoic acid,
2-[4-(diethylamino)-2-hydroxybenzoyl]-, hexyl ester; (c) titanium
dioxide or zinc oxide. Thus a formulation contained (weight/weight%):
di-Bu adipate 8.00; C12-C15 alkyl benzoate 8.00; cocoglycerides
12.00; sodium stearyl sulfate 1.00; lauryl glycoside, polyglyceryl-2 4.00;
cetearyl alc. 2.00; Uvinul T150 3.00; tocopheryl acetate 1.00; Uvinul A
Plus 2.00; zinc oxide 4.0; glycerin 3.00; allantoin 0.20; Xanthatn gum
0.30; magnesium aluminum silicate 1.50; water to 100.

L7 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2004:900751 CAPLUS

DOCUMENT NUMBER: 141:384003

TITLE: Cosmetic or dermatological preparations containing
hydrocolloids for use with a piston pump dispenser

PATENT ASSIGNEE(S): Beiersdorf AG, Germany

SOURCE: Ger. Gebrauchsmusterschrift, 67 pp.

CODEN: GGXXFR

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 20320415	U1	20041028	DE 2003-20320415	20031117
PRIORITY APPLN. INFO.:			DE 2003-20320415	20031117
AB	A piston pump dispenser is described that can be used for cosmetic or dermatol. prepns.; the prepns. contain 0.01-5 weight/weight% hydrocolloids in order to maintain their consistency while being exposed to shear forces during dispensing. The hydrocolloids that are added to the cosmetics are combinations of Xanthan gum, layered silicates, polyacrylic acids, cellulose derivs., ammonium dimethyltauramide-ninylformamide copolymer, C10-C30-alkyl acetate cross polymer, and carbomers. Detailed description of the dispenser's design is given. Thus an O/W emulsion contained (weight/weight%): glycerin monostearate 1.00; stearic acid 3.00; cetyl alc. 1.00; Uvinul A plus 2.50; bis-ethylhexyloxyphenol methoxyphenyl triazine 1.00; diethylhexyl butamido triazone 2.00; ethylhexyl methoxycinnamate 3.50; titanium dioxide T 805 2.00; C12-C15 alkyl benzoate 2.50; cetearyl isononoate 4.00; dimethicone 0.50; dimethicone-vinyldimethicone cross polymer 4.00; glycerin 7.50; polyacrylate (carbomer) 0.1; butylene glycol 5.00; DMDM hydantoin 0.60; phenoxyethanol 0.40; EDTA 0.20; ethanol 2.00; perfume 0.20; sodium hydroxide or potassium hydroxide for pH 6.0-7.5 q.s.; water to 100.			
OS.CITING REF COUNT:	4	THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)		

L7 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:626252 CAPLUS

DOCUMENT NUMBER: 143:231463

TITLE: Antifouling, UV- and alkali-resistant, waterproofing
and water-based styrene-acrylate coating compositions
for exterior wall

INVENTOR(S): Fang, Xueping

PATENT ASSIGNEE(S): Fang Xueping, Peop. Rep. China

SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, No pp.
given
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1557889	A	20041229	CN 2004-10039121	20040210
CN 100447211	C	20081231		

PRIORITY APPLN. INFO.: CN 2004-10039121 20040210

AB The three-component compns. select different sort and amount of emulsions and aids, and contain: (A) polyether alkyl aryl ether 0.15-0.25, defoaming agent 0.1-0.2, dispersing agent 0.45-0.6, hydroxyethyl cellulose 0.05-0.2, antiseptic agent 0.1-0.15, acrylate thickening agent 0.2-0.3, ammonia water 0.1-0.15 and water 12-18%, (B) titanium dioxide 12-18, aluminum silicate 3.5-4.0, barium sulfate 7.5-12.5, wollastonite 5-10, calcium carbonate 5-10, propylene glycol 1.8-2.0 and Butyl Carbitol 0.4-0.6%, and (C) modified polydimethylsiloxane 0.15-0.25, styrene-acrylate emulsion 20-30, hollow polymer 0.3-0.5, defoaming agent 0.15-0.25, acrylate thickening agent 0.4-0.6 and water 4-8%. The coatings are prepared by mixing A, B and C and stirring for 20-30 min before use.

L7 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:769625 CAPLUS

DOCUMENT NUMBER: 137:298546

TITLE: Production method of non-glazed tiles coated with inorganic binder and photocatalyst and having anti-staining property

INVENTOR(S): Mayumi, Yoshitaka; Kobayashi, Hideki; Saeki, Yoshimitsu

PATENT ASSIGNEE(S): Toto Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002293674	A	20021009	JP 2001-93206	20010328

PRIORITY APPLN. INFO.: JP 2001-93206 20010328

AB The method comprises molding a raw material composition containing pigment and/or

coloring element and optionally aggregate, firing the molded tile material to obtain water-absorbing tile, coating the tile with an inorg. binder comprising a liquid-form inorg. material and inorg. particles having diameter 1-100 nm, drying the coating, coating the tile with a mixture containing a photocatalyst and an inorg. binder at 0.01-5.0 g (as solids)/m². The liquid-form inorg. material is alkali silicate, alkyl silicate, organometal compound, and/or metal phosphate. The inorg. particles are SiO₂ sol, Al₂O₃ sol, Al₂O₃-impregnated SiO₂ sol, and/or Al phosphate. The photocatalyst is TiO₂, Sn oxide, W oxide, ZnO, and/or Sr titanate.

L7 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:568195 CAPLUS

DOCUMENT NUMBER: 137:126541

TITLE: Photocatalytic coatings and coated articles, and
coatable optical semiconductive metal-organic
substance mixture for their manufacture
INVENTOR(S): Kojima, Yasushi; Aizu, Kazuo; Kamimo, Masayoshi;
Ogata, Shiro; Matsui, Yoshimitsu
PATENT ASSIGNEE(S): Hitachi Chemical Co., Ltd., Japan; Tao International
K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002212505	A	20020731	JP 2001-14924	20010123
PRIORITY APPLN. INFO.:			JP 2001-14924	20010123

AB The mixture providing photocatalytic coat layers with good transparency and
decontaminating and disinfecting property, contain optical semiconductive
metals and organic compds. bearing alkyl silicate
structure where the coat layers have a water contact angles of
≥60°. Thus, adding 21 mL 35% H2O2 to 360 mL pre-purified
Ti(OH)4 gel at 5° over 30 min in 2 increments and mixing for
overnight gave an amorphous Ti peroxide which was adjusted to a 1.7% solution
A mixture of the solution 100, an ethylene oxide-propylene oxide block
copolymer dimethallyl ether-dihdropolydimethylsiloxane adduct (I) 1 and a
similar higher mol. weight copolymer of I, 5 parts showed good spray
coatability, and gave coat films with good claimed properties.

OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L7 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:147795 CAPLUS
DOCUMENT NUMBER: 136:201939
TITLE: Transparent photocatalysted paint composition
INVENTOR(S): Kono, Hiroyuki; Kobayashi, Masakazu
PATENT ASSIGNEE(S): C. I. Kasei Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002060687	A	20020226	JP 2000-250043	20000821
PRIORITY APPLN. INFO.:			JP 2000-250043	20000821

AB The composition comprises a siloxane of an alkyl silicate
and/or its hydrolyzed product, TiO2 (average diameter 10-90 nm) prepared from a
d.c. arc plasma and/or ZnO, and solvent of Me alc. and/or Et alc. Thus, a
coating was made from X 40-175 80, DX 175 (a curing catalyst), Et alc.
600, and Solsperse 41090 7 parts.

L7 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2001:566755 CAPLUS
DOCUMENT NUMBER: 135:138673
TITLE: Fiber structure having deodorizing or antibacterial
property
INVENTOR(S): Honda, Hidenobu; Ito, Naoaki; Yokoi, Hiroe; Ishii,
Masaki; Saito, Koichi

PATENT ASSIGNEE(S): Toray Industries, Inc., Japan
 SOURCE: PCT Int. Appl., 26 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055498	A1	20010802	WO 2000-JP371	20000126
W: CA, CN, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2365600	A1	20010802	CA 2000-2365600	20000126
EP 1188854	A1	20020320	EP 2000-901893	20000126
EP 1188854	B1	20040526		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 267907	T	20040615	AT 2000-901893	20000126
CN 1167844	C	20040922	CN 2000-805580	20000126
ES 2220391	T3	20041216	ES 2000-901893	20000126
US 6592858	B1	20030715	US 2001-937423	20010926
PRIORITY APPLN. INFO.:			EP 2000-901893	A 20000126
			WO 2000-JP371	W 20000126

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The structure comprises a fiber (polyester fibers) and, on the surface thereof, a composite oxide (TR-T 2) comprising Ti and Si and a binder.
 OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)
 REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2001:237913 CAPLUS
 DOCUMENT NUMBER: 134:253835
 TITLE: Primer composition having organic base material-fixed photocatalytic thin film and optical catalytic component with good adhesion, durability and good antibacterial properties
 INVENTOR(S): Kojima, Eiichi; Nakanishi, Makoto
 PATENT ASSIGNEE(S): Toto Kiki K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001089709	A	20010403	JP 1999-268583	19990922
PRIORITY APPLN. INFO.:			JP 1999-268583	19990922
AB The composition comprises an organic (PMMA) and inorg. hybrid polymer (cyclic tetramer-structured siloxane) and a photocatalysted coating solution [ST-K 01 and STK 03 (TiO ₂ and alkyl silicate mixture in H ₂ O, MeOH and PrOH solution)] which is fixed on an organic substrate by the hybrid polymer.				

L7 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2001:235693 CAPLUS
 DOCUMENT NUMBER: 134:267827

TITLE: Primer composition having organic base material-fixed photocatalytic thin film and optical catalytic component with good antibacterial properties

INVENTOR(S): Kojima, Eiichi; Nakanishi, Makoto; Yamauchi, Takeshi; Yamamoto, Takeshi

PATENT ASSIGNEE(S): Toto Kiki K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001089708	A	20010403	JP 1999-268582	19990922
PRIORITY APPLN. INFO.:			JP 1999-268582	19990922

AB The composition comprises an organic (PMMA) and inorg. hybrid polymer (siloxane)
and a photocatalysted coating solution [ST-K 01 and STK 03 (TiO₂ and alkyl silicate mixture in H₂O, MeOH and PrOH solution)] which is fixed on an organic substrate by the hybrid polymer.

L7 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2000:267402 CAPLUS

DOCUMENT NUMBER: 132:295089

TITLE: Antifouling and antibacterial fiber structure with good washfastness and deodorant property

INVENTOR(S): Ezawa, Rumi; Honda, Hidenobu; Saito, Kimiichi

PATENT ASSIGNEE(S): Toray Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2000119956	A	20000425	JP 1998-287986	19981009
PRIORITY APPLN. INFO.:			JP 1998-287986	19981009

AB The structure such as curtain, etc., comprises on the fiber surface a noncrystn. Ti peroxide particle layer, a zeolite layer, and/or an alkyl silicate layer and further on the surface a hydrophilic resin or a fluoro resin and a photocatalyst semiconductor. Treating Ti(OH)₄ with aqueous H₂O₂, soaking a polyester cloth in the solution, drying at 120°, soaking with a solution containing 0.1% (ST-01) and 10% ethylene glycol-dimethyl terephthalate-polyethylene glycol copolymer, drying and heat treatment gave an antifouling cloth, useful for uniforms.

L7 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2000:252226 CAPLUS

DOCUMENT NUMBER: 132:280413

TITLE: Deodorant fiber structures

INVENTOR(S): Okajima, Katsuya; Ishii, Masaki; Honda, Hidenobu; Saito, Kimiichi

PATENT ASSIGNEE(S): Toray Industries, Inc., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000110063	A	20000418	JP 1998-283962	19981006
PRIORITY APPLN. INFO.:			JP 1998-283962	19981006
AB Acid group-containing polyamide and/or polyester fibers have an intermediate layer containing amorphous Ti peroxide, zeolites, or alkyl silicates and a top layer of photocatalytic semiconductors. Thus, a methacrylic acid-grafted PET fabric was impregnated with a Ti peroxide sol, dried, treated with an aqueous dispersion of Ti Si oxide, and dried to impart the title property.				

L7 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1998:709294 CAPLUS

DOCUMENT NUMBER: 129:338769

ORIGINAL REFERENCE NO.: 129:68873a,68876a

TITLE: Planarization compositions for CMP of interlayer dielectrics

INVENTOR(S): Brewer, Richard; Grebinski, Thomas J.; Currie, James E.; Jones, Michael; Mullee, William; Nguyen, Ann

PATENT ASSIGNEE(S): Advanced Chemical Systems International, Inc., USA

SOURCE: PCT Int. Appl., 61 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9848453	A1	19981029	WO 1998-US8107	19980422
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9871477	A	19981113	AU 1998-71477	19980422
US 6322600	B1	20011127	US 1998-64651	19980422
TW 411518	B	20001111	TW 1998-87106260	19980623
PRIORITY APPLN. INFO.:			US 1997-43975P	P 19970423
			WO 1998-US8107	W 19980422

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 129:338769

AB A planarization composition is set forth for chemical mech. planarization of dielec. layers for semiconductor device manufacture. The composition comprises spherical SiO₂ particles having an average diameter of 30-400 nm, and a narrow range of particle sizes, in which .apprx.90% of the particles are within 20% of the average particle diameter. The composition includes a liquid carrier comprising ≤9% alc. and an amine hydroxide in the amount of .apprx.0.2-9% by weight. The pH of the composition is .apprx.9-11.5, and the remainder of the solution is H₂O. The composition has low amts. of metal ions, and the composition is used for thinning, polishing, and planarizing interlayer dielec. films, shallow trench isolation structures, and isolation of gate structures. The invention also comprises methods for using the planarization composition in the manufacture of semiconductor devices.

OS.CITING REF COUNT: 10 THERE ARE 10 CAPLUS RECORDS THAT CITE THIS RECORD (10 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1998:217491 CAPLUS
 DOCUMENT NUMBER: 128:231664
 ORIGINAL REFERENCE NO.: 128:45861a,45864a
 TITLE: Bluish pigments resistant to condensed moisture, their preparation and use
 INVENTOR(S): Kaliba, Claus; Keller, Harald; Gonzalez Gomez, Juan Antonio; Bidlingmaier, Hermann; Ellinghoven, Raymond; Schmid, Raimund
 PATENT ASSIGNEE(S): BASF A.-G., Germany
 SOURCE: Eur. Pat. Appl., 7 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 832943	A2	19980401	EP 1997-116595	19970924
EP 832943	A3	19991103		
EP 832943	B1	20041215		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
DE 19640188	A1	19980702	DE 1996-19640188	19960930
CA 2215215	A1	19980330	CA 1997-2215215	19970925
JP 10110116	A	19980428	JP 1997-266049	19970930
JP 3847917	B2	20061122		

PRIORITY APPLN. INFO.: DE 1996-19640188 A 19960930
 OTHER SOURCE(S): MARPAT 128:231664

AB The glossy pigments are obtained by heating TiO₂-coated silicate platelets in a reducing atmospheric, followed by reaction with a silane RaSiX₄-a
 [each R = ω -substituted C1-10 alkyl, where the substituent is glycidyloxy, NH₂, alkylamino, or C1-10 alkoxy, where the alkyl of the alkoxy group may be interrupted by 1-5 O or NH groups; X = C1-4 alkoxy; a = 1, 2]. Thus, 4 kg of a com. TiO₂-coated mica pigment which had been reduced in an NH₃ atmospheric at 800° was subjected to 120 g (3-aminopropyl)triethoxysilane vapors in an atmospheric of N and water vapor for 10 min to give a pigment containing 0.5% C. A polyester coating containing 4% of this pigment applied to Al or steel panels, overcoated with an acrylate-melamine clear coat, and baked 30 min at 130° showed no apparent change in color or gloss after 24 h in an atmospheric of 100% humidity or after 24 h immersion in 80° water.
 OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD (6 CITINGS)

L7 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1996:738149 CAPLUS
 DOCUMENT NUMBER: 126:9324
 ORIGINAL REFERENCE NO.: 126:2035a,2038a
 TITLE: Graphite-containing zinc-rich primer compositions and their manufacture
 INVENTOR(S): Savin, Ronald R.
 PATENT ASSIGNEE(S): USA
 SOURCE: PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9629372	A1	19960926	WO 1996-US3089	19960308
W: AL, AM, AU, AZ, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9653035	A	19961008	AU 1996-53035	19960308
PRIORITY APPLN. INFO.:			US 1995-400806	A 19950308
			WO 1996-US3089	W 19960308

AB A precursor powder composition comprises a resin, of zinc dust, powder, and/or coated microspheres and graphite, said powder being soluble in a solvent blend at a facility remote from the powder manufacturing facility, thereby, decoupling the powder manufacturing process from the end use of the powder which

could be in a traditional solvent-based coating. The coating compns. for use in protecting metallic substrates from corrosion comprise necessary additives and film-forming substances including alkyl silicate, epoxy resins, powder and non-powder, and polyester resins, all the compns. being modified with .apprx.4-20% graphite powder based on total weight of the composition The graphite enhances the elec. conductivity

and facilitates cathodic protection. A typical baking powder which may be post blended with a solvent mixture comprises Epon 2012 9.5, phenolic hardener DEH 84 3, phenolic hardener DEH 85 1.5, 20-60 μ m Zn powder 50, 8-12 μ m Zn powder 23, 2-5 μ m Zn dust 5, 5-10 μ m graphite 7.5, and silica 0.3 part.

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1997:127371 CAPLUS

DOCUMENT NUMBER: 126:132702

ORIGINAL REFERENCE NO.: 126:25617a,25620a

TITLE: Corrosion inhibitor-containing powder coatings, their use, and metal substrates protected thereby

INVENTOR(S): Braig, Adalbert; Laver, Hugh Stephen

PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.

SOURCE: Ger. Offen., 12 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

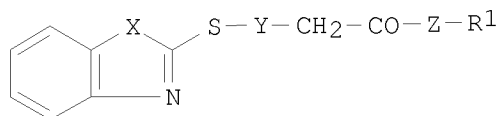
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19623268	A1	19961219	DE 1996-19623268	19960611
TW 385328	B	20000321	TW 1996-85106330	19960528
GB 2302092	A	19970108	GB 1996-11859	19960606
GB 2302092	B	19981007		
US 5726225	A	19980310	US 1996-662736	19960610
CA 2178895	A1	19961215	CA 1996-2178895	19960612
NL 1003334	A1	19961217	NL 1996-1003334	19960613

NL 1003334	C2	19970826		
FR 2735485	A1	19961220	FR 1996-7334	19960613
FR 2735485	B1	19990611		
BE 1009888	A3	19971007	BE 1996-544	19960613
BR 9602778	A	19980908	BR 1996-2778	19960613
JP 09003365	A	19970107	JP 1996-175715	19960614
PRIORITY APPLN. INFO.:		CH 1995-1765	A	19950614

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
 OTHER SOURCE(S): MARPAT 126:132702
 GI



I

AB A powder coating composition contains a film-forming binder and a corrosion-inhibiting mixture of I [R1 = H, C1-12 alkyl, C5-12 cycloalkyl; X = O, S, NH; Y = direct link, CH2, CH(CO2R1), CH2CH(CO2R1); Z = O, NR1] and a Ca-modified silicate pigment. The composition is especially effective in preventing filiform corrosion of Al. No corrosion was observed in a DIN 65472 test of Al coated with a powdered composition comprising

Crylcoat 430 1288, Crylcoat 108 129, Araldite PT 810 106.7, benzoin 3.10, TiO2 178, Irgacor 252 43.3, and Shieldex CP 4 (pigment) 223.7 g.

OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
 (6 CITINGS)

L7 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1989:556520 CAPLUS

DOCUMENT NUMBER: 111:156520

ORIGINAL REFERENCE NO.: 111:26089a,26092a

TITLE: Thixotropic aqueous liquid automatic dishwashing detergent composition containing antifilming and antispotting agents

INVENTOR(S): Fahim, U. Ahmed; Buck, Charles E.

PATENT ASSIGNEE(S): Colgate-Palmolive Co., USA

SOURCE: Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 26

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 315024	A2	19890510	EP 1988-117719	19881025
EP 315024	A3	19910320		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
IL 88166	A	19920621	IL 1988-88166	19881026
ZA 8808078	A	19900627	ZA 1988-8078	19881027
AU 8824618	A	19890511	AU 1988-24618	19881102
AU 620050	B2	19920213		
FI 8805113	A	19890506	FI 1988-5113	19881104
NO 8804944	A	19890508	NO 1988-4944	19881104
NO 173612	B	19930927		
NO 173612	C	19940105		
BR 8805765	A	19890725	BR 1988-5765	19881104

JP 01230699	A	19890914	JP 1988-279217	19881104
CA 1326803	C	19940208	CA 1988-582266	19881104
US 4968446	A	19901106	US 1989-323137	19890313
US 5084198	A	19920128	US 1990-570463	19900821
US 5205954	A	19930427	US 1991-730315	19910715
AU 663496	B2	19951012	AU 1992-16352	19920515
EP 541200	A1	19930512	EP 1992-304888	19920529

R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE

PRIORITY APPLN. INFO.:

US 1987-117184	A	19871105
US 1987-102205	B1	19870929
US 1987-113562	B1	19871028
US 1987-114911	B1	19871030
US 1989-323134	A2	19890313
US 1989-323136	A2	19890313
US 1989-323137	A2	19890313
US 1989-323138	A2	19890313
US 1989-444250	B2	19891201
US 1991-789576	A	19911108

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The title composition, having good resistance to phase separation during storage,

contains alumina or TiO₂ as an antifilming agent and poly(acrylic acid) (or a salt) as an antispotting agent and is useful for machine washing of dishes without a rinse aid or hand drying. A composition containing H₂O 31.04, mono- and di-C₁₆-18-alkyl phosphate 0.16, NaOH (50%) 2.34, Na₂CO₃ 4.88, Na₅P₃O₁₀ 11.70, Na₅P₃O₁₀.6H₂O 11.70, alumina (particle size 0.02 µm) 2.5, Alcosperse 149 8.00, Gel White H Clay 1.22, Al stearate 0.09, Dowfax 3B2 0.78, NaOCl (11%) 8.78, and Na silicate 16.81% was used in hard water at 120°F for washing dishes, leaving no film or spots.

OS.CITING REF COUNT: 7 THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L7 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1988:57933 CAPLUS

DOCUMENT NUMBER: 108:57933

ORIGINAL REFERENCE NO.: 108:9665a,9668a

TITLE: Opacifying silicone rubber coatings for translucent sheets

INVENTOR(S): Brown, Peter

PATENT ASSIGNEE(S): General Electric Co., USA

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8704449	A1	19870730	WO 1987-GB36	19870121
W: AU, JP				
GB 2185749	A	19870729	GB 1986-1874	19860127
AU 8768909	A	19870814	AU 1987-68909	19870121
AU 602672	B2	19901025		
JP 63502513	T	19880922	JP 1987-500887	19870121
JP 06102774	B	19941214		

PRIORITY APPLN. INFO.:

GB 1986-1344	A	19860121
GB 1986-1874	A	19860127
WO 1987-GB36	A	19870121

AB Heat- cold- water- and light-resistant title coatings for glass sheets contains 0.1-35% ≥1 of TiO₂, carbon black, and CaCO₃ as opacifiers

based on organopolysiloxane in the composition. Thus, a composition containing Me₂SiOH-terminated polysiloxane 100, ground silica 137, hydrogenated castor oil 1.7, hydrocarbon solvent 65.4, and TiO₂ 22.6 parts was cured with a 1:10 catalyst-alkyl silicate mixture to give a product that resisted -50° and exhibited tensile strength 3.5-40 N/mm², no change in tensile strength or elongation after 26 wk at 82°, no cracking or checking or pinholes at 5° under UV light (ASTM-526-70), and <0.5% water absorption after 7 days (ASTM D-570). The uncured composition was applied at 0.72 kg/mm² to solar reflecting glass to give a coating that exhibited no peeling, fading, or degradation after 20 mo exposure of the uncoated side of the glass to daylight.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN
 ACCESSION NUMBER: 1987:578267 CAPLUS
 DOCUMENT NUMBER: 107:178267
 ORIGINAL REFERENCE NO.: 107:28615a,28618a
 TITLE: Opaque silicone rubber compositions
 INVENTOR(S): Brown, Peter
 PATENT ASSIGNEE(S): General Electric Co., USA
 SOURCE: Brit. UK Pat. Appl., 15 pp.
 CODEN: BAXXDU
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2185749	A	19870729	GB 1986-1874	19860127
WO 8704449	A1	19870730	WO 1987-GB36	19870121
W: AU, JP				
AU 8768909	A	19870814	AU 1987-68909	19870121
AU 602672	B2	19901025		
EP 234720	A1	19870902	EP 1987-300517	19870121
EP 234720	B1	19910918		
R: BE, DE, ES, FR, GB, IT, NL, SE				
JP 63502513	T	19880922	JP 1987-500887	19870121
JP 06102774	B	19941214		
ES 2025642	T3	19920401	ES 1987-300517	19870121
US 5576054	A	19961119	US 1995-373483	19950117
PRIORITY APPLN. INFO.:			GB 1986-1344	A 19860121
			GB 1986-1874	A 19860127
			WO 1987-GB36	A 19870121
			US 1987-6038	B1 19870122
			US 1988-116741	B1 19880302
			US 1989-368963	B3 19890619
			US 1992-856280	B1 19920323
			US 1993-76374	B1 19930614

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB Room temperature-vulcanizable silicone rubber compns., useful as opacifying coatings for translucent materials (e.g. glass), contain 0.1-35% opacifier. A mixture of OH-terminated siloxane 100, ground silica 137, hydrogenated castor oil 1.60, hydrocarbon solvent 65.4, and TiO₂ 22.6 parts, a curing agent, and alkyl silicate accelerator was coated on degreased solar-reflecting glass. The coated glass was exposed to daylight for 20 mo without peeling, fading, or degradation of the coating.

OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)

L7 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1987:72923 CAPLUS
DOCUMENT NUMBER: 106:72923
ORIGINAL REFERENCE NO.: 106:11917a,11920a
TITLE: Compositions for treating acne vulgaris and their use
INVENTOR(S): Fong, John; Wortzman, Mitchell S.; Scott, Richard A.
PATENT ASSIGNEE(S): Neutrogena Corp., USA
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8605394	A1	19860925	WO 1986-US547	19860317
W: AU, DK				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
US 4640932	A	19870203	US 1985-713211	19850318
AU 8656633	A	19861013	AU 1986-56633	19860317
AU 581590	B2	19890223		
EP 215108	A1	19870325	EP 1986-902191	19860317
EP 215108	B1	19920108		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 71294	T	19920115	AT 1986-902191	19860317
CA 1261757	A1	19890926	CA 1986-504388	19860318
DK 8605489	A	19861117	DK 1986-5489	19861117
PRIORITY APPLN. INFO.:			US 1985-713211	A 19850318
			EP 1986-902191	A 19860317
			WO 1986-US547	A 19860317

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB A facial mask composition for controlling acne contains benzoyl peroxide 0.5-10, an inorg. thickening agent (Mg Al silicate or bentonite) 9-13, an absorbent powder (kaolin or bentonite) 20-25, a humectant (glycerol, sorbitol or propylene glycerol) 2.5-15%, and q.s. solvent (H2O, lower alkyl alc., or mixts. thereof). This composition can effectively penetrate comedones without keratolytic or desquamating effects. Thus, a formed day mask lined with a composition containing benzoyl peroxide 2.0-10.0, TiO2 1.3-50, kaolin 20-25, glycerol 2.5-15.0, SDP-40 alc. 0.0-10.0, bentonite 9.0-13.0, and H2O 35-45% by weight inhibited facial acne in humans after 1 wk of 20 min/day applications.

OS.CITING REF COUNT: 8 THERE ARE 8 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1987:52610 CAPLUS
DOCUMENT NUMBER: 106:52610
ORIGINAL REFERENCE NO.: 106:8687a,8690a
TITLE: Production of ultrafine metal oxide aerosol particles by thermal decomposition of metal alkoxide vapors
AUTHOR(S): Okuyama, Kikuo; Kousaka, Yasuo; Tohge, Noboru; Yamamoto, Satoru; Wu, Jin Jwang; Flagan, R. C.; Seinfeld, J. H.
CORPORATE SOURCE: Dep. Chem. Eng., Univ. Osaka Prefect., Sakai, 591, Japan
SOURCE: AIChE Journal (1986), 32(12), 2010-19
CODEN: AICEAC; ISSN: 0001-1541
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Ultrafine spherical TiO₂, SiO₂, and Al₂O₃ particles were prepared by the thermal decomposition of their alkoxide vapors, produced by evaporation and subsequent heating. High-concentration ultrafine particles having geometric mean diam. of 0.01-0.06 μ m and a geometric standard deviation of about 1.4 were obtained by varying the temps. of the evaporator containing the liquid alkoxides and the reactor furnace, and the flow rate of carrier gas. For furnace temps. <400° for TiO₂ and 1000° for SiO₂ and Al₂O₃, the particles obtained were amorphous. The changes in the particle-size distributions due to changes in operating conditions were compared with those predicted theor. by solving the discrete-continuous aerosol general dynamic equation accounting for coagulation and generation of monomer by thermal decomposition. The effect of monomer number concentration on the size distribution of generated particles was qual. explained.

OS.CITING REF COUNT: 105 THERE ARE 105 CAPLUS RECORDS THAT CITE THIS RECORD (105 CITINGS)

L7 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1967:56658 CAPLUS
DOCUMENT NUMBER: 66:56658
ORIGINAL REFERENCE NO.: 66:10735a
TITLE: Titanium dioxide particles with improved dispersion properties
INVENTOR(S): Stanley, Robert H.
PATENT ASSIGNEE(S): British Titan Products Co. Ltd.
SOURCE: Brit., 3 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
GB 1047539		19661109	GB 1964-36500	19640905

AB TiO₂ particles are dispersed in organic media by coating the particles with 1-2% (estimated as weight of SiO₂ on TiO₂) of a C1-10 alkyl silicate. Before treatment with the alkyl silicate, the particles are treated with 0.5-3% of a metal oxide by weight of TiO₂, or 0.1-3% of a metal phosphate (by weight as P₂O₅ on TiO₂). Thus, rutile TiO₂ particles were wet-coated with 2% alumina, mixed with iso-Pr silicate (containing 39% SiO₂) to give a 0.3% SiO₂ concentration and passed into a fluid energy mill at 275°F. and 90 psig. (steam-pigment ratio is 1.5:1), to prepare a coated TiO₂ pigment containing 1.2% SiO₂. The SiO₂-coated TiO₂ pigment showed much better brightness and opacity, had a superior contrast ratio of 98-5%, and a very good to excellent dispersion rating compared to ordinary TiO₂ pigments.

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(FILE 'HOME' ENTERED AT 14:56:44 ON 16 MAR 2010)

FILE 'CAPLUS' ENTERED AT 14:56:53 ON 16 MAR 2010

L1 3191 S ALKYL(S)SILICATE
L2 27 S L1 AND "TITANIUM DIOXIDE"
L3 0 S L2 AND FLUOROALKYL?
L4 530 S FLUOROALKYLSILANE
L5 0 S L1 AND L4
L6 4 S L4 AND "TITANIUM DIOXIDE"

L7 27 DUP REM L2 (0 DUPLICATES REMOVED)

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	119.08	119.30
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-26.35	-26.35

STN INTERNATIONAL LOGOFF AT 15:02:27 ON 16 MAR 2010